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SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: JANE ZARA Examiner #: 77512 Date: 5/24/03
 Art Unit: 1635 Phone Number 306-5820 Serial Number: 091982892
 Mail Box and Bldg/Room Location: 11.D03 Results Format Preferred (circle): PAPER DISK E-MAIL
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If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Bioconjugates + Bio Delivery Agent
 Inventors (please provide full names): Grason et al

Earliest Priority Filing Date: 8/22/97

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please see Attached Structure
 + highlighted claims.

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POINT OF CONTACT:
 PAUL SCHULWITZ
 TECHNICAL INFO. SPECIALIST
 CM1 6806 TEL. (703) 305-1954

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	Type of Search	Vendors and cost where applicable
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Set	Items	Description
S1	0	(CELL (W) MEDIATED (W) ENDOCYTOSIS) (S) TOXIC?
S2	611	COBALT (S) (CELL OR CELLULAR) (S) (DELIVERY OR UPTAKE)
S3	230	RD (unique items)
S4	2	S3 AND (VITAMIN (W) B12)

>>>KWIC option is not available in file(s): 399

4/3,K/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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09763879 BIOSIS NO.: 199598218797
**Effects of cobalt and vitamin B-12 on the growth of Chrysochromulina
polylepis (Prymnesiophyceae).**
AUTHOR: Graneli Edna(a); Risinger Lars
AUTHOR ADDRESS: (a)Ecology Bldg., Dep. Marine Ecology, S-223 62 Lund**
Sweden
JOURNAL: Marine Ecology Progress Series 113 (1-2):p177-183 1994
ISSN: 0171-8630
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Atlantic sea water with a low *cobalt* (Co) concentration (0.02 nM) was enriched with Co additions (0.2, 0.5, 1.0 and 3.0 nM), inoculated with a monoculture of...

...C. polylepis was 0.8 d-1. Growth rate during the exponential phase was not influenced by Co concentrations, possibly due to Co contamination. The *cell* quota of Co for C. polylepis in the stationary growth phase was estimated at 0.55 to 0.69 fg Co *cell*-1 based on *cell* yield in relation to Co *uptake* and 0.55 to 0.70 fg Co *cell*-1 based on analysis of cells. In the 1988 C. polylepis bloom in the Kattegat and Skagerrak, *cell* concentrations reached levels of 100 times 10-6 cells l-1, requiring a Co supply of at least 1 nM. Concentrations of Co in the...

...REGISTRY NUMBERS: *VITAMIN* *B12*;

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ...*VITAMIN* *B12*;

4/3,K/2 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
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82122910 CA: 82(19)122910k JOURNAL
Delivery of cobalt-57-labeled B12 (vitamin B12) to lymphoblasts derived from mice with transplanted 1210 ascities tumor cell by transcobalamins I, II, III
AUTHOR(S): Meyer, Leo M.; Gams, Richard A.; Ryel, Elaine M.; Miller, Inez E.; Kumar, Sudhir
LOCATION: Hematol. Sect., VA Hosp., Brooklyn, N. Y.
JOURNAL: Proc. Soc. Exp. Biol. Med. DATE: 1974 VOLUME: 147 NUMBER: 3
PAGES: 679-80 CODEN: PSEBAA LANGUAGE: English

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S5	374	(VITAMIN (W) B12) (S) DELIVER?
S6	127	S5 (S) CELL?
S7	68	RD (unique items)
S8	9	S7 AND (COMPLEX? OR CONJUGAT?)
S9	11	S7 AND UPTAKE
S10	11	RD (unique items)